

IN THE CLAIMS

1. - 2. (Canceled)

3. (Currently amended) Composite Component according to claim [[1]] 19, wherein the composite is prefabricated as a profiled rod material ~~comprised of thermoplastics with carbon fibers and fibers made out of an X-ray absorbing material.~~

4. (Currently amended) Composite Component according to claim [[1]] 19, wherein the composite further comprises ~~carbon fiber reinforced PAEK (poly-aryl-ether ketone) and the X-ray absorbing fibers.~~

5. (Currently amended) Composite Component according to claim 3, wherein the carbon fibers and the X-ray absorbing fibers are designed as continuous fibers and/or fibers with a length exceeding 3 mm.

6. (Currently amended) Composite Component according to claim [[1]] 19, wherein the fibers [[(6)]] are enveloped by ~~the a~~ matrix material.

7. (Currently amended) Composite Component according to claim [[1]] 19, wherein the X-ray absorbing fibers comprise a nonmagnetic material.

8. (Currently amended) Composite Component according to claim [[1]] 19, wherein the X-ray absorbing fibers are made from materials selected from the group ~~comprising~~ consisting of: tantalum, tungsten, gold, and platinum.

9. (Canceled)

10. (Currently amended) Component according to claim [[9]] 19,
wherein the fibers are oriented differently depending on the longitudinally or
transverse oriented alignment of the component (1, 18).

11. (Currently Amended) A component made from a composite of polymer
or ceramic material comprising:

X-ray absorbing reinforcing fibers distributed throughout the composite,
wherein an orientation of the X-ray absorbing reinforcing fibers is tailored to a
shape and application of the component (1, 18) in a defined manner to provide X-ray
visibility control for the component; and

~~Component according to claim 9, further comprising~~ carbon fibers, wherein
the ratio of carbon fibers to X-ray absorbing fibers is variable at a total fiber
percentage of approx. 50 %v/v.

12. (Currently Amended) A component made from a composite of
polymer or ceramic material comprising:

X-ray absorbing reinforcing fibers distributed throughout the composite,
wherein an orientation of the X-ray absorbing reinforcing fibers is tailored to a
shape and application of the component (1, 18) in a defined manner to provide X-ray
visibility control for the component; and

~~Component according to claim 9, further comprising~~ carbon fibers, wherein a total fiber percentage in the composite remains constant over a length or width of the component, which changes a ratio of carbon fibers (6) to X-ray absorbing fibers (6).

13. (Currently amended) Component in the form of a connecting element according to claim [[9]] 19, wherein the stiffness of the connecting element can be varied by varying the orientation of fibers from a force application point toward a free end of the component.

14. (Cancelled)

15. (Currently Amended) Component in the form of a strip or plate assembly part made from a composite of polymer or ceramic material comprising:

X-ray absorbing reinforcing fibers distributed throughout the composite, wherein an orientation of the X-ray absorbing reinforcing fibers is tailored to a shape and application of the component (1, 18) in a defined manner to provide X-ray visibility control for the component;

~~according to claim 9,~~ wherein a concentration of fibers (6) is present in an area (A) of one or more recesses (14) or holes in the component (18), and wherein the percentage of the X-ray absorbing fibers is reduced in the area (A).

16. – 18. Canceled.

19. (Currently amended) A component made from a composite of polymer or ceramic material comprising:

reinforcing fibers, wherein at least some of the reinforcing fibers are X-ray absorbing reinforcing fibers distributed throughout the composite, wherein an orientation of the X-ray absorbing reinforcing fibers is tailored to a shape and application of the component (1, 18) in a defined manner to provide X-ray visibility control for the component, Component according to claim 9, wherein the composite comprises fibers that do not absorb substantial amounts of X rays located in a polymer or ceramic material matrix material throughout which the X-ray absorbing fibers are distributed, a concentration of the X-ray absorbing fibers to the fibers that do not absorb X rays being varied in different areas of the component.